

# ELLIPSOID VEHICULAR MIRROR

## Abstract

A vehicle mirror assembly is provided comprising a base. The base comprises a first base portion defined by a first base longitudinal line and a first base periphery. The first base portion has a first base radius of curvature. The base further includes a second base portion defined by the first base longitudinal line and a second base periphery. The second base portion has a second base radius of curvature. A dome lens conforms to the base. The dome lens has a varying dome lens radius of curvature. The dome lens comprises a center surface portion having a center surface radius of curvature. The center surface radius corresponding to a position on said dome lens aligned with a first base longitudinal midpoint to said dome lens and is perpendicular to the first base longitudinal line. A peripheral surface portion has a peripheral surface radius of curvature corresponding to the first base periphery. The peripheral surface radius of curvature is greater than the center surface radius of curvature.